

PATENT ABSTRACTS OF JAPAN

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(54) DIPPING TREATMENT METHOD FOR CARBON ROD FOR MANGANESE DRY CELL

(57)Abstract:

PURPOSE: To enhance the high temp., storage characteristics by impregnating a carbon rod with a specific compound as impregnating material, and preventing ooze of the impregnating material at the surface of carbon rod during storage at high temp.

CONSTITUTION: An impregnating material shall contain chiefly parafin wax consisting of hydrocarbon compound with a molecular weight of 300-500 with normal parafin as major component, or micro-wax consisting of isoparafin and cycloparafin series hydrocarbon admixture with a molecular weight of 35-60, and thereto crystalline polyolefin series resin is added, wherein the resistant compound shall have a melting point of 90°C or more. A carbon rod is cast into an impregnation trough kept at a specified temp. depending upon the melt viscosity of the impregnating material, and impregnation is performed till the saturated state, followed by drawing up, and the impregnating material over the surface is removed with the aid of heat. This enables ooze of impregnating material components due to storage at a high temp. and enhancement of the high temp. storage characteristics.

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